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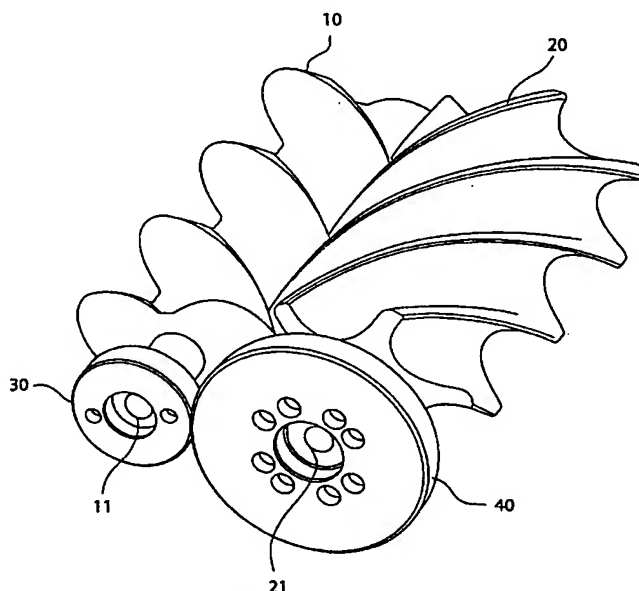
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(54) Title: **TWIN SCREW COMPRESSOR**



(57) Abstract: Double-screw compressor for supplying gas, such as air, to a gas consumer, which screw compressor comprises two interacting rotors for compressing the gas and also a toothed gearing. The toothed gearing comprises a gearing housing with two opposite end walls made of a first material. Two gearwheels made of a second material which has a thermal expansion coefficient which differs from the thermal expansion coefficient of the first material are mounted in the end walls. In order to reduce the effect of the temperature on the backlash, both gearwheels are designed with one and the same pressure angle which is smaller than 15°. A method for reducing the effect of the temperature on the functioning of a screw compressor is also described.